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THERMOPLASTIC MOLDING PROCESS AND APPARATUS

ABSTRACT OF THE DISCLOSURE

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thermoplastic molding system includes thermoplastic extrusion die for the extrusion of a thermoplastic slab. The extrusion die has adjustable die gate members for varying the thickness of the extruded material in different parts of the extruded The thermoplastic extrusion die has a trimmer for cutting the extruded thermoplastic slab from the thermoplastic extrusion die. Α plurality thermoplastic molds, which may be either vacuum or compression molds, are each mounted on a movable platform, such as a rotating platform, for moving one mold a time into a position to receive thermoplastic slab being trimmed from the thermoplastic extrusion die. A molded part is formed with a variable thickness from a heated slab of thermoplastic material being fed still heated from the A plurality of molds are mounted to extrusion die. the platform to feed one mold into a loading position while a second mold is in a release position. thermoplastic molding process uses the thermoplastic molding apparatus to mold a part of variable thickness from a slab of material heated during extrusion.